



Crops & Weather

National Agricultural Statistics Service
Minnesota Field Office

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In Cooperation with the Minnesota Department of Agriculture, National Weather Service – Chanhassen MN,
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Warm weather continued across Minnesota during the week ending July 14, 2013 and most of the state received measurable precipitation according to the USDA, National Agricultural Statistics Service. A statewide weekly average of 1.16 inches of rain fell, with amounts ranging from just over half an inch in north central Minnesota to almost 3 inches in south central Minnesota. Despite the rainfall, 5.7 days were suitable for field work statewide, the second most of any week this crop year. Temperatures averaged 2.5 degrees above normal at 72.2 degrees statewide.

The average corn stalk height was 44 inches tall, 15 inches shorter than normal. Corn conditions rated 64 percent good or excellent. Twenty-one percent of the soybeans are blooming, compared with last year's 77 percent and the five-year average of 40 percent. Soybean plants grew an average of 4 inches last week to 12 inches tall statewide. Soybean conditions remained at 63 percent good or excellent. Oats, barley and spring wheat all saw significant increases in percent heading. Spring wheat led the way by advancing 22 percentage points to 87 percent headed.

Range and pasture conditions rated 74 percent good or excellent, compared with 45 percent rated good or excellent at this time last year. Alfalfa conditions decreased slightly to 62 percent good or excellent.

Soil Moisture Levels as of July 14, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture	1	7	85	7
Subsoil Moisture	1	9	84	6

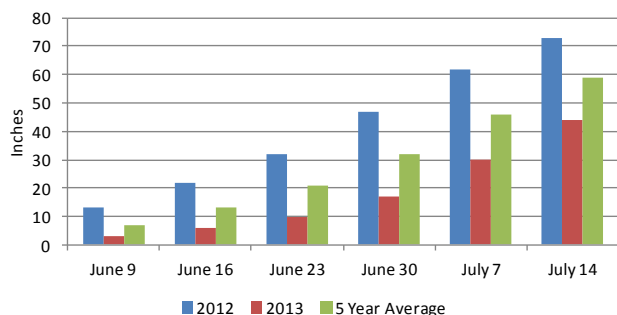
Crop Condition as of July 14, 2013

	Very Poor	Poor	Fair	Good	Exc.
Pasture	1	4	21	60	14
Oats.....	1	4	21	60	14
Barley	1	8	40	43	8
Spring Wheat.....	2	5	31	52	10
Sugarbeets	0	4	20	64	12
Sunflowers.....	0	2	49	42	7
Corn	3	5	28	52	12
Soybeans	1	5	31	53	10
Potatoes	1	1	10	49	39
Canola	0	4	56	39	1
Dry Beans.....	0	7	29	48	16
Alfalfa	2	5	31	47	15

Crop Progress as of July 14, 2013

	This Week	Last Week	Last Year	5 Yr Avg
Days Suitable for Fieldwork	5.7	6.1	6.4	5.5
	Percent	Percent	Percent	Percent
Corn, height in inches	44	30	73	59
Soybeans blooming	21	5	77	40
Soybean height, inches.....	12	8	20	16
Oats jointed	91	88	100	99
Oats headed	80	61	100	91
Spring Wheat jointed	96	89	100	98
Spring Wheat headed	87	65	100	85
Barley jointed	94	91	100	98
Barley headed	82	62	100	83
Sweet Corn planted	93	88	100	100
Canola planted	95	94	100	100
Dry Beans blooming	12	2	66	NA
Alfalfa, second cutting.....	14	NA	NA	NA

Corn Height, Minnesota



Precipitation and Temperature Summary for 7/8/2013 through 7/14/2013

	Temperature				Precipitation				G D D	
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal			Since 05/16	Depart From Norm
						Past Week	Four Weeks	Since 4/1		
NORTHWEST DISTRICT										
Crookston	89	53	71.5	2.6	0.15	-0.52	-0.94	-1.65	999	108
Itasca	88	54	72	5.5	0.69	-0.21	-2.06m	-2.97m	585m	-182m
Moorhead	93	55	74.4	3.6	0.09	-0.56	3.71	7.8	1094	123
Pembina, ND	87	56	71	4.0	1.15	0.42	-0.36	0.88	914	107
Warroad	83	55	70	3.0	0.95	0.06	-1.58m	-4.21m	754m	-26m
NORTH CENTRAL DISTRICT										
Grand Rapids	84	48	70.3	2.3	0.64	-0.37	-0.56	-1.57	843	14
Intl. Falls	87	45	69.4	4.3	0.38	-0.5	-1.15	0.76	813	94
NORTH EAST DISTRICT										
Duluth	87	53	69.8	4.2	0.39	-0.5	0.05	2.07	753	66
Grand Marais	67	45	56	-4.7	0.65	-0.08	1.43	5.34	359	-95
Hibbing	86	45	68.4	4.3	1.73	0.69	1.26	0.14	800	149
WEST CENTRAL DISTRICT										
Alexandria	91	58	72.6	2.1	2.22	1.45	0.93	0.21	969	35
Breckenridge	91	58	73.3	2.7	1.39	0.53	0.11	-.67m	913m	-46m
Browns Valley	M	M	M	M	M	M	M	M	M	M
Canby	91	57	74.8	2.1	1.94	1.13	2.55	5.84m	1004	-40
Montevideo	90	54	73.1	1.5	1.65	0.8	3.36	5.74	991	-22
Morris	89	56	72.8	2.4	1.24	0.34	5.24	3.59	966	-1
Wheaton	92	57	73.5	2.0	0.71	-0.04	0.64	-0.92	995	3
CENTRAL DISTRICT										
Becker	90	56	76	4.9	1.66	0.64	0.07	-1.77	1016	27
Collegeville	88	58	73.1	0.8	0.85	0.03	1.06	2.97	990	-48
Hutchinson	93	58	74.8	2.7	1.32	0.54	1.34m	3.78m	1013m	-24m
Melrose	88	55	73	3.1	0.34	-0.48	1.77	2.45	950	20
Olivia	88	56	72.2	0.8	0.8	-0.02	2.65	3.48	949	-71
St. Cloud	89	54	73.2	2.9	0.94	0.2	1.18	3.38	953	13
Wadena	M	M	M	M	M	M	M	M	M	M
Willmar	89	57	73.9	2.0	0.83	-0.04	1.22	-.12m	969	-67
EAST CENTRAL DISTRICT										
Aitkin	88	52	68.6	1.1	0.06	-0.92	0.56	2.09m	742m	-63m
Forest Lake	91	58	72.5	0.9	1.34	0.32	2.47	3.81	988	-31
MSP Airport	90	63	76.4	2.6	3.13	2.23	3.08	7.68	1144	52
Mora	86	53	71	1.9	1.59	0.67	2.76	2.79m	894	2
St. Paul - UofM	88	59	72.6	1.0	2.68	1.66	3.00	9.2	984	-35
SOUTH WEST DISTRICT										
Lamberton	91	58	75.2	3.3	0.31	-0.55	-0.3	0.87	1067	11
Marshall	92	57	76	3.5	0.99	0.14	.95m	.81m	1045m	-11m
Pipestone	89	49	73.4	2.1	0.79	0.01	1.21	.54m	974m	-19m
Redwood Falls	92	58	74.8	2.2	0.72	-0.1	0.63	-1.17	1076	-2
Sioux Falls	91	60	75	2.0	0.18	-0.53	-1.49	2.85	1068	23
SOUTH CENTRAL DISTRICT										
Worthington	90	59	75.1	3.5	0.27	-0.56	-1.27	1.08m	1037m	15m
North Mankato	91	59	75.6	3.4	1.84	0.85	-.44m	.40m	1044m	-7m
Owatonna	90	59	73.4	1.5	4.5	3.45	2.91	8.07	1023	-16
Waseca	91	57	73.7	1.7	3.65	2.66	3.56	9.03	1030	-39
Winnebago	91	59	74.6	2.3	1.97	1.02	3.12m	7.48m	1042m	-27m
Cannon Falls	M	M	M	M	M	M	M	M	M	M
SOUTH EAST DISTRICT										
La Crosse	92	59	76.6	2.9	0.13	-0.83	0.21	7.34	1136	23
Preston	88	53	72.9	2.1	0.57	-0.41	3.06	12.43m	987	10
Red Wing	93	61	74.9	2.5	1.17	0.33	0.55	4.37	1065	27
Rochester	88	59	73.4	2.0	0.89	-0.14	2.27	13.18	1026	0
Rosemount	88	60	73.3	1.8	2.61	1.6	.64m	3.72m	991	-23
Winona Dam	89	61	75.4	3.7	0.2	-0.75	1.11	10.5	1041	26

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office.

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